

The Engineering Academy exists to provide students opportunities to receive in-depth exposure to a specific career pathway in the engineering field. The Academy is comprehensive in nature and covers the multiple disciplines in the general field of engineering with an emphasis on the engineering design process. Students are exposed to robust academy and academic coursework ensuring college readiness in the field of engineering.

Innovation · Design · Construction

Why the Engineering Academy?

- Innovative & challenging career focused courses
- Instructors that are passionate about their subject.
- Instructors that have field experience
- Internship Opportunities*
- Project based learning

**Student must complete competitive application process to enroll*

Program Requirements/ Expectations

- Complete four Engineering courses in a coherent sequence as identified by the Engineering pathway on campus
- Must take Pre-AP, AP, Honors or Dual Credit math and science courses all four years
- Complete 100 hours of community service while enrolled in the Academy
 - Total of 25 hours per school year as approved by the Academy Coordinator
- Must maintain a 75 or higher in all academy specific courses
- Must maintain a 70 or higher in all other courses.
- Must participate in at least one enrichment activity per grading period as outlined by the Academy Coordinator

Enrichment Opportunities

- Guest speakers from the engineering field at monthly student meetings
- Tour a variety of engineering companies across Houston
- Partnerships with the University of Houston's Engineering Student Groups

Engineering Academy Aligned Extra-Curricular Programs

Clubs/Organizations

- Academic Decathlon
- Academy Officers
- Chess Club
- Junior Achievement
- Math and Science Club
- Mu Alpha Theta
- National Honor Society
- Robotics Club
- Science National Honor Society
- Skills USA
- Youth Expanding Service (Y.E.S.)*

**Required by Engineering Academy*

UIL/Academic Events

- Accounting
- Calculator Applications
- Computer Applications
- Computer Science
- Mathematics
- Number Sense
- Science

Application Process and Criterion

- Submit online application @ <https://secure.fortbendisd.com/academyapp>
- Completion of Algebra I prior to the start of the ninth grade year is recommended
- Successful completion of all parts of the 7th grade STAAR exam is required
- 7th and 8th grade semester grades in math, science, ELA and social studies will be reviewed
- Math entrance exam score will be reviewed
- Final acceptance is contingent upon successful completion of all eighth grade courses during the regular school year and all parts of the eighth grade STAAR exam

